

NOTEWORTHY COLLECTIONS

NEW MEXICO

ASTRAGALUS HUMILLIMUS Gray ex. Brand (FABACEAE).—San Juan Co., ca. 2 km sw. of Waterflow, on the e. side of 'The Hogback' at (T29N R16W S16) on small pockets of sandy soil on ledges and in cracks on a tannish-white sandstone of the Mesa Verde series, at 1615–1645 m. Localized population of ca. 500 plants. 4 Jul 1980, *Kramp s.n.*, 18 May 1981, *Knight 1389* (UNM, NY). Verified by R. C. Barneby. Collected on the southern portion of 'The Hogback' ca. 3 km sw. of Waterflow, at (T29N R16W S21) on a tannish-white sandstone of the Mesa Verde series at 1630 m, a localized population of perhaps 200 plants; 18 May 1981, *Knight 1891* (UNM).

Significance. The species is a candidate for federal listing in Colorado. These collections represent the first since its discovery 105 years ago (by Brandegee in sw. CO). It is a new record for NM, located approximately 55 km s. of the presumed type locality. The 1981 collections represent the first flowering specimens ever seen. The species appears to be specific to a narrow geological subunit of the Mesa Verde sandstone series, a trait explaining its rarity and its 105-year disappearance.

ASTRAGALUS NATURITENSIS Payson (FABACEAE).—San Juan Co. ca. 4 km sw. of Waterflow, on the e. side of 'The Hogback,' at (T28N R16W S4), on sandy pockets and in cracks of a coarse white Cretaceous sandstone in the Mesa Verde series at 1600 m; 25 Apr 1982, *Knight 1891* (UNM). Verified by R. C. Barneby.

Significance. This species is a candidate for federal listing in Colorado. This collection represents a new record for NM, ca. 80 km south of the southern-most Colorado records. All known populations are very localized.

PHACELIA SPLENDENS Eastwood (HYDROPHYLLACEAE).—San Juan Co., ca. 3 km n. of Waterflow, at (T30N R15W S31) on barren knolls of Fruitland clay at 1630 m; 26 Apr 1981, *Knight 1357* (UNM).

Significance. First record for New Mexico, approximately 50 km s. of the nearest locale in sw. CO. Also known from se. UT.—PAUL J. KNIGHT, New Mexico Department of Natural Resources, Villagra Building, Santa Fe, NM 87503.

APACHERIA CHIRICAHUENSIS Mason (CROSSOSOMATAACEAE).—Socorro Co., San Mateo Mountains, e. slope, in East Red Canyon at (T7S R5W S4), on a n.-facing cliff of rhyolite at 1905 m, rare; 4 Sep 1981, *Wahl s.n.*; 23 Sep 1981, *Knight and Fletcher 1789* (UNM). San Mateo Mountains e. slope, in Hidden Springs Canyon at (T7S R6W S36), abundant on e.- and w.-facing rhyolite cliffs at 2060 m, with *Silene wrightii*, *Draba mogollonica*, *Penstemon pinifolius*, *Erigeron scopulinus* and *Brickellia californica*; 23 Sep 1981, *Knight and Fletcher 1791* (UNM). San Mateo Mountains e. slope, in 'The Gorge,' at (T8S R5W S11) on rhyolite cliffs and bluffs at 1970 m, abundant and extensive; 6 Jun 1982, *Fletcher 6149* (UNM). San Mateo Mountains e. slope, in Indian Cr. Canyon at (T8S R5W S21) on w.-facing cliffs of rhyolite at 2030 m, scattered, and (T8S R5W S16) on all exposures of rhyolite cliffs at 2155 m, abundant and extensive; 8 Jun 1982, *Knight, Fletcher and Wahl 2183* (UNM).

Significance. This taxon is at present a candidate for federal listing. These collections represent the first records in NM, and the first records out of the Chiricahua Mts. of AZ, representing a disjunction of 280 km ne. Many of the associates that occur with this species were hitherto known only from the mountains of sw. NM and s. AZ, indicating strong floristic affinities between the San Mateo Mountains and the more southwestern ranges of New Mexico.—PAUL J. KNIGHT and CHARLES R. WAHL, New Mexico Department of Natural Resources, Villagra Building, Santa Fe, NM 87503; REGGIE FLETCHER, USDA-Forest Service, 517 Gold Street, Albuquerque, NM 87102.

ANNOUNCEMENT

Reorganization of membership in the International Organization of Plant Biosystematists (IOPB). The IOPB was founded in 1960 to promote international cooperation in the study of biosystematics. The IOPB is open to all persons working or interested in the field of biosystematics. The history and past activities of IOPB have been given in *Taxon*, 31:386–387, 1982. Membership fee for 1983–1987 is only \$25.00. Send payment to: Dr. Liv Borgen, Secretary-Treasurer, IOPB, Botanical Garden and Museum, Trondheimsveien 23B, Oslo 5, Norway. Membership in IOPB is for the period between each International Botanical Congress (next in Berlin in 1987).

The IOPB Newsletter is being reestablished and will be sent to all members who join the reorganized IOPB beginning in 1983. The Newsletter has been a useful source of information on biosystematists and biosystematic research being carried on throughout the world. Send items on current research, publications, requests for research materials, etc. to: Dr. Krystyna Urbanska, Editor, IOPB Newsletter, Geobotanisches Institut, E.T.H., Zürichbergstrasse 38, CH-8044, Zürich, Switzerland.

ANNOUNCEMENT

SHRUB RESEARCH CONSORTIUM FORMED

The Forest Service's Intermountain Forest and Range Experiment Station, the Utah Division of Wildlife Resources, Brigham Young University, and Utah State University announce the formation of a Shrub Research Consortium. Formed to promote, support, and coordinate programs of research and associated graduate education, the Consortium will be located at the Shrub Sciences Laboratory, 735 North 500 East, Provo, UT 84601. Activities will relate to: (1) improvement and development of shrub plant materials; (2) methods of seeding, planting, culture, and management of shrubs in natural settings; and (3) assisting where feasible with publishing and disseminating research results.

Specific goals of the Consortium are:

1. Develop a program consisting of statements of research needs and priorities and current studies aimed at meeting those needs. The Consortium may determine and set objectives, priorities, and guidelines for studies, based on interpretation of need, available funds, capabilities of institutions and personnel, and other work under way within or outside the Consortium. Principal areas of shrub research will include, but will not be limited to: ecology, genetics, pathology, entomology, soils, hydrology, wildlife habitat, and livestock grazing.

2. Encourage proposals to conduct research from both member and nonmember institutions desiring to participate and capable of contributing appropriately to solving problems selected for study.

3. Arrange for printing and distribution of publications and reports.

4. Sponsor seminars, conferences, symposia, and other meetings to coordinate research on wildland shrubs and to disseminate research results.

Applications for membership from organizations involved in wildland shrub research are encouraged.

For further information contact:

Dr. Arthur R. Tiedemann, Chairman SRC

Shrub Sciences Laboratory

Intermountain Forest and Range Experiment Station

735 N. 500 E.

Provo, UT 84601.

ANNOUNCEMENT

The Society of Wetland Scientists will hold its fifth annual national meeting in San Francisco, California, on 23–25 May 1984, at the Westin Miyako Hotel. Field trips to unique wetland areas in the San Francisco Bay area will occupy one day of the meeting. The plenary session will consist of formal presentations on wetland biology, wetland management, and wetland regulations. Proceedings of the meeting will be published in *Wetlands, Journal of the Society of Wetland Scientists*. Group discussions and poster sessions will also be an integral part of the meeting. Deadline for abstracts is 31 Jan 1984. For more information write to Marc Boulé, Meeting Coordinator, Shapiro and Associates, Inc., 1812 Smith Tower, Seattle, WA 98104.

ANNOUNCEMENT

CALIFORNIA BOTANICAL SOCIETY GRADUATE STUDENT MEETINGS

The 9th California Botanical Society Graduate Student Meetings will be held at California State University, Chico, 7–8 April, 1984. Short research papers and reports on work in progress will be presented by graduate students in botany and related fields.

A banquet is scheduled for Saturday evening and will be followed by a talk by Dr. Jack Major, Professor Emeritus, UC Davis. A field trip to Table Mountain is planned for Sunday morning. Members and non-members of the Society are invited to participate.

For further information regarding registration for the Meetings, and due date for abstracts, please contact Sandra Morey, Department of Biological Science, California State University, 1st & Normal Streets, Chico, California 95929; or leave messages at (916)895-5063 or (916)895-5356.

The Botanical Society recognizes the following individuals awarded for outstanding presentations at the October 1982 Graduate Student Meetings at UCLA:

Cindy Walker, Occidental College (completed project): Crassulacean acid metabolism in *Isoetes bolanderi* in high elevation oligotrophic lakes.

Chuck Wimpee, UCLA (research in progress): RuBP carboxylase pseudogene cluster?

Kathy Griffin, UCLA (research proposal): Phytoplankton physiology as a means of explaining extinctions in the fossil record: A thesis proposal.

The Society also acknowledges and thanks the graduate students of the Department of Biology at UCLA as well as the staff and faculty for their work in preparing and hosting the 1982 Meetings.